

ABSTRACT OF THE DISCLOSURE

Extendible exhaust nozzle bell for rocket engine of aircraft or spacecraft includes a first part with smaller diameter fixedly arranged on motor of engine and a second part with larger diameter arranged in flexible manner with respect to first part. In a front stowed position, second part is located surrounding first part closer to the rocket motor and, in a rear operating position, first part is arranged further away from the rocket motor. A closed volume that can be acted on by a gaseous fluid causes an extension of the second part of the exhaust nozzle bell from the stowed position into the operating position. The closed volume is formed at least in part by a deformable rolling bellows arrangement coupled between the flexibly arranged second part of the exhaust nozzle bell and a fixed part of the rocket engine or of the aircraft or spacecraft.